

ABSTRACT OF THE DISCLOSURE

Provided are methods, data processing systems, recovery components and computer programs for recovering from failures affecting data repositories. In a data processing system in which updates applied to a data repository are applied within transactional units of work, a secondary copy is stored of data items held within the data repository and updates applied to the data repository within transactional units of work. In response to a failure affecting a primary copy of the data repository, the secondary copy is used to identify a set of operations required for restoring data items and applied updates to the primary copy of the data repository. The set of operations are analyzed to determine the state, at the time of the failure, of each unit of work corresponding to one or more operations of the identified set of restore operations. Restore operations of the identified set are then performed if performance is consistent with the determined state of the corresponding unit of work, but restore operations for which performance is inconsistent with the determined state of the corresponding unit of work are disregarded. The method enables efficiency improvements for recovery processing.